Product Summary Sheet

Ricoh Aficio SP C830DN and SP C831DN Color Laser Printers

Universal Color Laser Printers For Color-intensive Customers

Domestic Intro Date: October 2012
Up to 30 end users
SP C830DN: 5,000 – 50,000 prints/month
SP C831DN: 7,000 – 50,000 prints/month
One Year On-Site Warranty
Weight: 213 lb. *(Main Unit only)*
Dimensions: 26.4" W x 26.9" D x 25.2" H
(Main Unit only)

SYSTEM OVERVIEW

- Fast output speeds – up to 45-ppm and 55-ppm for both color and black & white prints.
- Modular design with multiple paper supply and advanced finishing options available.
- Multi-bit image processing technology with 600 x 600 (1, 2, 4 bit) dpi resolution at full rated speeds.
- True 1200 x 1200 dpi print resolution (at 50% speed) for superior photograph reproduction.
- GW+ Architecture Controllers with powerful 600 MHz (SP C830DN) & 1 GHz (SP C831DN) CPUs.
- Standard 512 MB RAM expandable to 1.5 GB RAM.
- Quickly process incoming data streams in PCL 5c, PCL 6, or genuine Adobe™ PostScript® 3™.
- Network-ready with standard 10/100Base-TX Ethernet plus USB 2.0 Hi Speed interfaces.
- 250 GB HDD for secure local document storage (standard on SP C831DN, optional on SP C830DN).
- Built on Ricoh's proven four tandem drum single pass engine design for maximum uptime, consistent image quality, and ease of use.
- High yield supplies deliver low cost-per-page factors of 1.3¢ for Black & White and 4.2¢ for Color prints for low lifetime TCO.
- Customizable 4.3" color touch screen control panel for improved operability and supply status display.
- USB 2.0 and SD Card slot integrated into control panel for standard Print From Portable Media.
- Chemical PxP toners deliver superior image quality; oil-less toners make it easy to write on prints.
- Standard 1,200-sheet paper supply (550 x 2 + 100-sheet Bypass) expandable to 4,400 sheets.
- Inline paper trays accept up to 140 lb. Index stocks; print onto banners 49.6" long and stocks up to 170 lb. Index via the Bypass.
- Standard automatic duplexing at nearly 100% productivity of rated simplex speeds.
- Quick Start Up Direct Heating fusing technology reduces energy consumption.
- Eco Night Sensor automatically turns the printer off or places it into Sleep mode after the room goes dark for a preset time period.

RICOH AFICIO SP C830DN/SP C831DN SYSTEM SPECIFICATIONS

MAIN UNITS

Type:	Desktop Color Laser Beam Printer
Warm-up Time:	SP C830DN: 29 seconds or less
	SP C830DN: 25 seconds or less
First Print Speed:	SP C830DN: B&W: < 3.7 sec, Color: < 5.7 sec.
	SP C831DN: B&W: < 3.4 sec, Color: < 5.1 sec.
Continuous Print Speed:	SP C830DN: 45-ppm Black & White and Full Color (Letter)
	SP C831DN: 55-ppm Black & White and Full Color (Letter)
Control Panel:	4.3" color touch screen display with integrated USB 2.0 Host port and SD Card slot
Standard Paper Supply:	550-sheet Tray 1 + 550-sheet Tray 2 + 100-sheet Bypass Tray = 1,200 sheets
Optional Paper Supply:	550 x 1 PFU, 550 x 2 PFU, 2,000-sheet LCT, 1,200-sheet Side LCT
Maximum Paper Capacity:	4,400 sheets (Trays 1 & 2 + 2,000-sheet LCT + 1,200-sheet Side LCT + Bypass)
Automatic Duplexing:	Standard, all models; nearly 100% productivity

RICOH AFICIO SP C830DN/SP C831DN SYSTEM SPECIFICATIONS *continued*

Paper Sizes:	Tray 1: Fixed for 8.5" x 11"
	Tray 2: User adjustable up to 11" x 17"
	Bypass Tray: User adjustable up to 11" x 17" + Banners up to 49.6"
	Optional 550 x 1 & 550 x 2 PFUs: User adjustable up to 11" x 17"
	2,000-sheet LCT: Fixed for 8.5" x 11"
	1,200-sheet Side LCT: Fixed for 8.5" x 11"
Paper Weights:	Tray 1: 14 - 68 lb. Bond / 140 lb. Index (52 - 256 g/m^2)
	Tray 2: 14 - 68 lb. Bond / 140 lb. Index (52 - 256 g/m^2)
	Bypass Tray: 14 - 82 lb. Bond / 170 lb. Index (52 - 300 g/m^2)
	Optional 550 x 1 & 550 x 2 PFUs: 14 - 68 lb. Bond / 140 lb. Index (52 - 256 g/m^2)
	2,000-sheet LCT: 14 - 68 lb. Bond / 140 lb. Index (52 - 256 g/m^2)
	1,200-sheet Side LCT: 16 - 68 lb. Bond / 140 lb. Index (60 - 256 g/m^2)
Output Capacity:	500 sheets, face down
Finishing Accessories:	Optional 2,000-sheet Booklet Finisher with Hole Punch option
	Optional 3,000-sheet Finisher with Hole Punch and Jogger options
	Optional 4-bin Mailbox
Power Requirements:	120 - 127V, 60Hz
Power Consumption:	Operating: 1584 W or less
	Sleep: 1.2 W or less
	All models Energy Star Tier 1.1 compliant

CONTROLLERS

CPU:	SP C830DN: Intel Celeron-M @ 600 MHz
	SP C831DN: Intel Celeron-M @ 1.0 GHz
Memory:	512 MB RAM Standard, 1.5 GB RAM Maximum
Hard Disk Drive:	SP C830DN: Optional 250 GB
	SP C831DN: Standard 250 GB
	Includes standard HDD Encryption Unit and Overwrite (DOSS)
Print Resolutions:	300 x 300 dpi (1 bit)
	600 x 600 dpi (1, 2, 4 bit)
	1200 x 1200 dpi (1 bit)
Page Description Languages:	
Standard:	PCL 5c, PCL 6, Genuine Adobe® PostScript® 3™ + PDF Direct Print
	Direct Media Print (JPEG/TIFF)
Optional:	PictBridge, Intelligent Printer Data Stream (IPDS), XPS, Ricoh Universal Driver
Fonts	45 PCL fonts, 13 International fonts, 136 PostScript 3 fonts
Standard Interfaces:	10/100Base-TX Ethernet (RJ-45) Network Interface
	USB 2.0 Hi Speed Type B (for direct computer connection)
	Dual USB 2.0 Host Type A Interfaces (for external device connection)
	USB 2.0 Type A/SD Card Slot integrated into Control Panel (for Print From Portable Media)
Optional:	Gigabit Ethernet (1000BaseT) Type D
	IEEE 802.11a/g Wireless LAN Type L
	IEEE 1284/ECP Parallel Interface Type A
Network Protocol Support:	TCP/IP (IPv6) standard, IPX/SPX optional
Network/OS Support:	Windows XP, Vista, 7, Server 2003/R2, Server 2008/R2
	Citrix Presentation Server 4.5, Citrix XenApp 5.0+
	Mac OS X v.10.4 – 10.7
	SAP R/3 Device Type (provided in SAP Printer Vendor Program)
	Novell NetWare Server 6.5 (option is required)
	UNIX/Linux (using Ricoh UNIX Filter)

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RICOH AFICIO SP C830DN/SP C831DN HARDWARE OPTIONS & ACCESSORIES

PAPER SUPPLY OPTIONS

1 Tray Paper Feed Unit

- 550 sheets
- User-adjustable to 11" x 17"
- 14 – 68 lb. Bond
- Requires configuration with Caster Table

2 Tray Paper Feed Unit

- 550 x 2 = 1,100 sheets
- User-adjustable to 11" x 17"
- 14 – 68 lb. Bond

Large Capacity Tray

- 2,000 sheets (Tandem 1K stacks
- Fixed for 8.5" x 11"
- 14 – 68 lb. Bond

Side Large Capacity Tray

- 1,200 sheets
- Fixed for 8.5" x 11"
- 16 – 68 lb. Bond
- Must be installed with 2K LCT or 550 x 2 PFU

CABINET STAND OPTIONS

FAC 52 Cabinet

- Raises main unit for configuration with an external Finisher
- Supply storage

Caster Table Type D

- For use with 550 x 1 PFU
- Supports lower system height for ADA Section 508 compliance

FINISHING OPTIONS

3,000-sheet Finisher

- 250-sheet Proof Tray
- 3,000-sheet Shift Tray w/Offset Stacking
- Multi-position stapling up to 50 sheets/set
- Optional 2-/3-Hole Punch

2,000-sheet Booklet Finisher

- 250-sheet Proof Tray
- 2,000-sheet Shift Tray w/Offset Stacking
- Multi-position stapling up to 50 sheets/set
- Saddle Stitch finishing for booklets up to 15 sheets (60 pages)
- Optional 2-/3-Hole Punch

4-Bin Mailbox

- 125 sheets per bin
- Holds up to 11” x 17”
- Separate bins for individual users/jobs
- May be installed with or without either Finisher

Jogger Unit

- Taps sheets in Finisher Shift Tray into aligned sets for off-line binding
- Option for 3,000-sheet Finisher only

Bridge Unit

- Transports pages to Finishers
- Required for configuration with both Finishers

Item	Part #
2 Tray Paper Feed Unit PB3130	415793
1 Tray Paper Feed Unit PB3120	415794
2,000-sheet Large Capacity Tray PB3140	415795
1,200-sheet Side Large Capacity Tray RT3020	415984
2,000-sheet Booklet Finisher SR3110	416007
3,000-sheet Finisher SR3120	416008

Item	Part #
Bridge Unit BU3060	415988
Punch Kit PU3030 N/A	416325
Output Jogger Type 9002A	415903
4-Bin Mailbox CS3000	407088
Caster Table Type D	415811
FAC 52 Cabinet Stand	416337

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Ricoh technology offers a diverse portfolio of solutions to help your organization stay competitive and move ahead. Let Ricoh show you how to empower your business to improve critical processes, keep information secure, ensure compliance and promote environmental sustainability while reducing the total cost of ownership.

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RICOH AFICIO SP C830DN/SP C831DN PRIMARY DIFFERENCE CHART

Model	Aficio SP C830DN	Aficio SP C831DN
EDP Code	430709	430713
Engine Speed	45-ppm Color & B&W (LTR)	55-ppm Color & B&W (LTR)
Volume Range	5,000 – 50,000 prints/month	7,000 – 50,000 prints/month
CPU	600 MHz Intel Celeron-M	1 GHz Intel Celeron-M
Hard Disk Drive	250 GB Optional	250 GB Standard

RICOH AFICIO SP C830DN/SP C831DN MASTER CONFIGURATION MATRIX

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Main Unit	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Paper Feed Unit PB3120 (550 sheets x 1)		•	•		•	•																																
Paper Feed Unit PB3130 (550 sheets x 2)			•			•	•	•	•	•					•	•	•	•					•	•	•	•					•	•	•	•				
LCIT PB3140 (2,000 sheets)											•	•	•	•					•	•	•	•					•	•	•	•					•	•	•	•
Side LCIT RT3020 (1,200 sheets)																							•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Bridge Unit BU3060								•	•	•		•	•	•		•	•	•		•	•	•		•	•	•		•	•	•		•	•	•		•	•	•
Booklet Finisher SR3110 (2,000 sheets)										•				•				•				•				•				•				•				•
Finisher SR3120 (3,000 sheets)								•	•			•	•			•	•			•	•			•	•			•	•			•	•			•	•	
Output Jogger Unit Type 9002A									•				•				•				•				•				•				•				•	
4-bin Mailbox				•	•	•									•	•	•	•	•	•	•	•									•	•	•	•	•	•	•	•

Notes:

- **The Punch Unit can be attached to either Finisher.**
- **The Mailbox unit can be installed with or without a Finisher; with or without optional paper supplies.**
- **The 1,200-sheet Side LCT always requires configuration with the 550 x 2 PFU or 2,000-sheet LCT.**
- **The 550 x 1 PFU can be installed with the 550 x 2 PFU, but will not support configuration with a Finisher.**

RICOH AFICIO SP C830DN/SP C831DN CONTROLLER OPTIONS

Item	Part #	Item	Part #
Memory Unit Type J 512 MB	004165MIU	Gigabit Ethernet Interface Type D	407087
Memory Unit Type O 1 GB	007097MIU	IEEE 1284 Parallel Interface Board Type A	411699
250 GB Hard Disk Drive Type C830	007098MIU	VM Card Type U	416163
(Option for SP C830DN only)		Camera Direct Print Card Type J	416006
IEEE 802.11a/g Interface Unit Type L	403000	IPDS Unit	407081

RICOH AFICIO SP C830DN/SP C831DN SUPPLIES & CONSUMABLES

Item	Part #	Yield	Item	Part #	Yield
Black Toner SP C830DNHA	821117	23,500*	Transfer Unit SP C830DN	407097	200,000
Yellow Toner SP C830DNHA	821118	27,000*	Fusing Unit SP C830DNA	407098	160,000
Magenta Toner SP C830DNHA	821119	27,000*	Waste Toner Bottle SP C830DN	407100	40,000
Cyan Toner SP C830DNHA	821120	27,000*	Staple Type K for SR3120	410801	5,000
Black Drum Unit SP C830DN	407095	60,000	Staple Type K Refill for SR3120/SR3110	410802	15,000
Color Drum Unit SP C830DN *(Includes 3 Cyan, Magenta & Yellow units)*	407096	60,000 x 3	Staple Type S for SR3110 (Saddle Stitch) *(uses Type K refill)*	412874	5,000

**Declared yield values in accordance with ISO/IEC 19798.*
The Ricoh Aficio SP C830DN and Aficio SP C831DN ship with starter toner bottles yielding 11,500 pages for Black and 12,500 pages for each C/M/Y color. All other consumables ship at full yield. Actual yields may vary based on types of images printed and other factors.

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